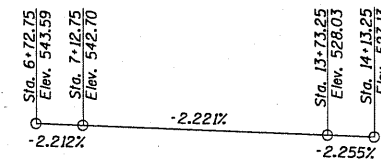


ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL SHEETS
FAS 447	#	Fulton	43	17
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

\*08-00121-01-BR



PROFILE GRADE

**DESIGN SPECIFICATIONS**

AASHTO 2002 and all applicable Interims

**DESIGN LOADING**

HS 20-44  
25 P.S.F Future Wearing Surface

**DESIGN STRESSES**

$f'_c$  = 3,500 psi (Cast in Place Concrete)  
 $f_y$  = 60,000 psi (Reinforcing Steel)  
 $f_y$  = 36,000 psi (Existing Structural Steel)

**GENERAL NOTES**

- Structural steel shall be M270, Grade 50.
- Welds shall be made using an E70XX electrode.
- Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
- Class SI or MS Concrete shall be used in the abutments as Concrete Structures.
- Type BS Concrete shall be used as Concrete Superstructures.
- Reinforcement bars shall conform to the requirements of ASTM A706, Grade 60 (IL Modified). See Special Provisions.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Dumped Riprap, Class A4	Sq. Yd.	-	76	76
Stone Dumped Riprap, Class A4	Tons	-	530	530
Filter Fabric	Sq. Yd.	-	225	225
Sub-base Granular Material, Type B 4"	Sq. Yd.	180	-	180
Sub-base Granular Material, Type B, 6"	Sq. Yd.	42	-	42
Sub-base Granular Material, Type C	Cu. Yd.	-	90	90
Concrete Removal	Cu. Yd.	-	19.8	19.8
Bridge Rail Removal	Foot	1321	-	1321
Slope Wall Removal	Sq. Yd.	-	77	77
Removal of Existing Concrete Deck	Each	1	-	1
Structure Excavation	Cu. Yd.	-	49	49
Concrete Structures	Cu. Yd.	17.6	14.8	32.4
Concrete Superstructures	Cu. Yd.	783.5	-	783.5
Bridge Deck Grooving	Sq. Yd.	2742	-	2742
Protective Coat	Sq. Yd.	3033	-	3033
Furnishing & Erecting Structural Steel	Pound	6500	-	6500
Stud Shear Connectors	Each	7905	-	7905
Jack and Remove Existing Bearings	Each	10	-	10
Cleaning and Painting Steel Bridge No. 1	L. Sum	1	-	1
Containment & Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1	-	1
Reinforcement Bars, Epoxy Coated	Pound	212990	2140	215130
Steel Railing, Type SM	Foot	1314	-	1314
Slope Wall 6 inch	Sq. Yd.	-	92	92
Name Plates	Each	1	-	1
Finger Plate Expansion Joint	Foot	69	-	69
Elastomeric Bearing Assembly, Type III	Each	10	-	10
Concrete Sealer	Sq. Ft.	-	256	256
Pipe Underdrains 8"	Foot	-	70	70

DSGN	K.J. Hoffmann				
DR	K.J. Hoffmann				
CHK	J.A. Frauenhoffer				
APVD	J.A. Frauenhoffer	NO.	DATE	REVISION	BY

**FRAUENHOFFER**  
Frauenhoffer and Associates, P.C. Consulting Engineers  
3002 Crossing Court Champaign, IL 61822 217-351-6268

**GENERAL BRIDGE INFORMATION**  
FAS 447 (C.H. 17) OVER SPOON RIVER  
SECTION 08-00121-01-BR  
FULTON COUNTY

SHEET	17
DWG NO.	8015GPE.dgn
DATE	AUG 2010
PROJ NO.	8015